


Date: 00/08/26	Material Specification for Hot Repair		 IRAN ALLOY STEEL CO.
Rev.: 01			
ID code :N-068067.Y	Area : EAF	Storage site :	
General properties			
Basic Components:Magnesia Dolomite		Bonding System:Ceramic	
Classification: Sintered Magnesita Dolomite			
<u>Chemical composition (wt. %) :</u>		<u>Fig.</u>	
MgO : Min 67 CaO : Max 23 SiO <sub>2</sub> : Max 4.0 Al <sub>2</sub> O <sub>3</sub> : 0.2-1 Fe <sub>2</sub> O <sub>3</sub> : 1.5- 3 L.O.I : 0.5-1.5			
<u>Map no.:</u>			
<u>Sieve analysis /Dimension:1-5mm</u>			
<u>Physical properties :</u>			
Poured Density	Min 2.8	g/cm <sup>3</sup>	
Appearance Porosity		%	
<u>Mechanical/Thermal properties:</u>			
Cold Crushing Strenghtat		kg/cm <sup>2</sup>	
Cold Crushing Strenghtat		kg/cm <sup>2</sup>	
Cold Crushing Strenghtat		kg/cm <sup>2</sup>	
Thermal Conductivity		W/m .° k	
Thermal Expansion		%	
Thermal Shock Resistance		Cycle	
Max Service Point	1750	° C	
<u>Remark:</u>			
<u>Packing:</u>			
Shelf life: <input checked="" type="checkbox"/> ... Year      NA <input type="checkbox"/>			
<u>Quality Check:</u>			
Certificate from supplier and laoratory test			
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